RSW920010067US1
U. J. Ciccarelli, et al
Extending Installation Suites to Include Topology of Suite's Run-Time Environment
1/12

FIG. 1
(PRIOR ART)

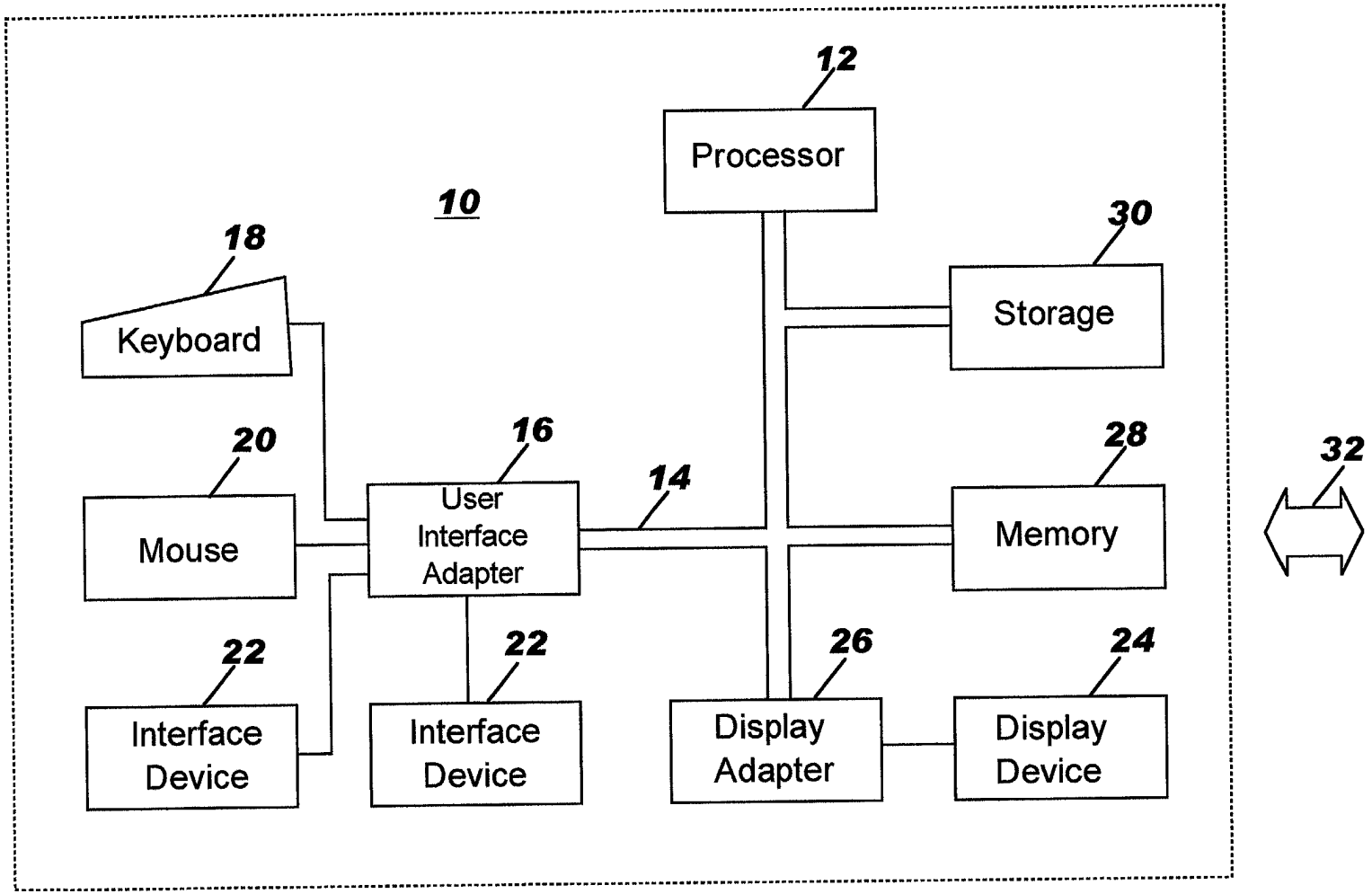

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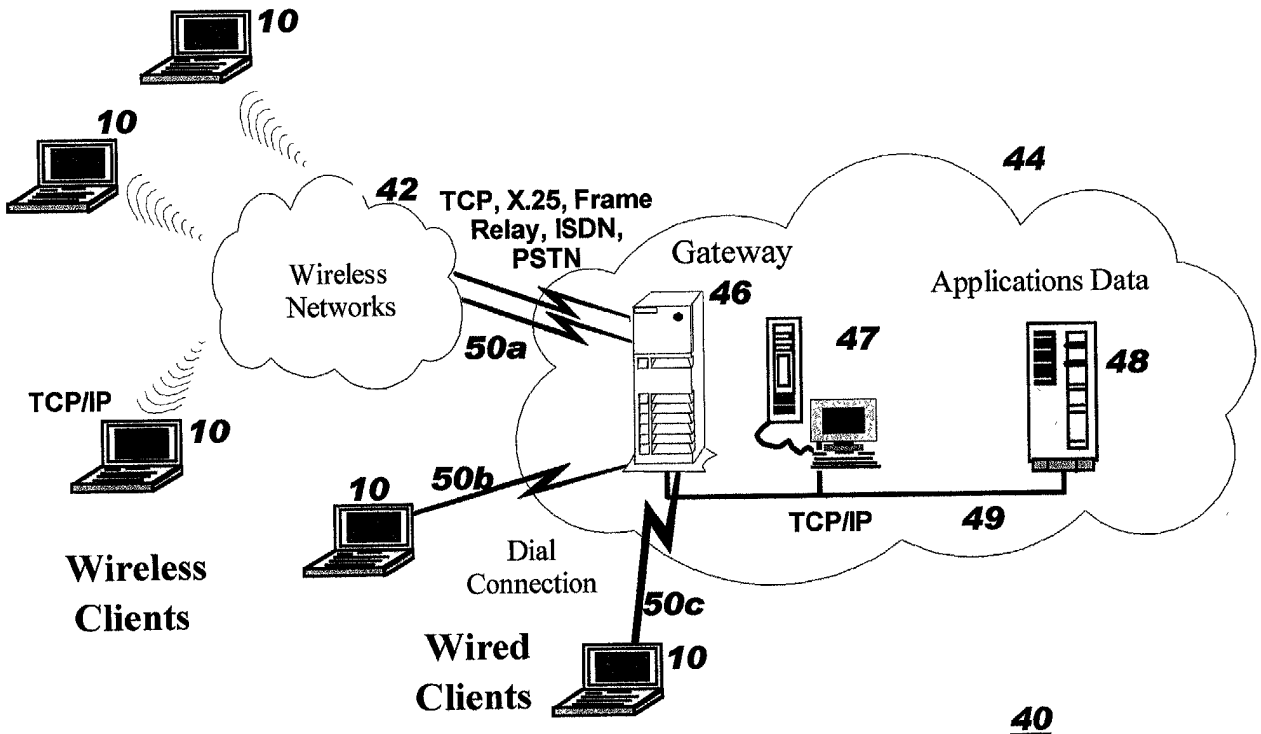
FIG. 2
(PRIOR ART)



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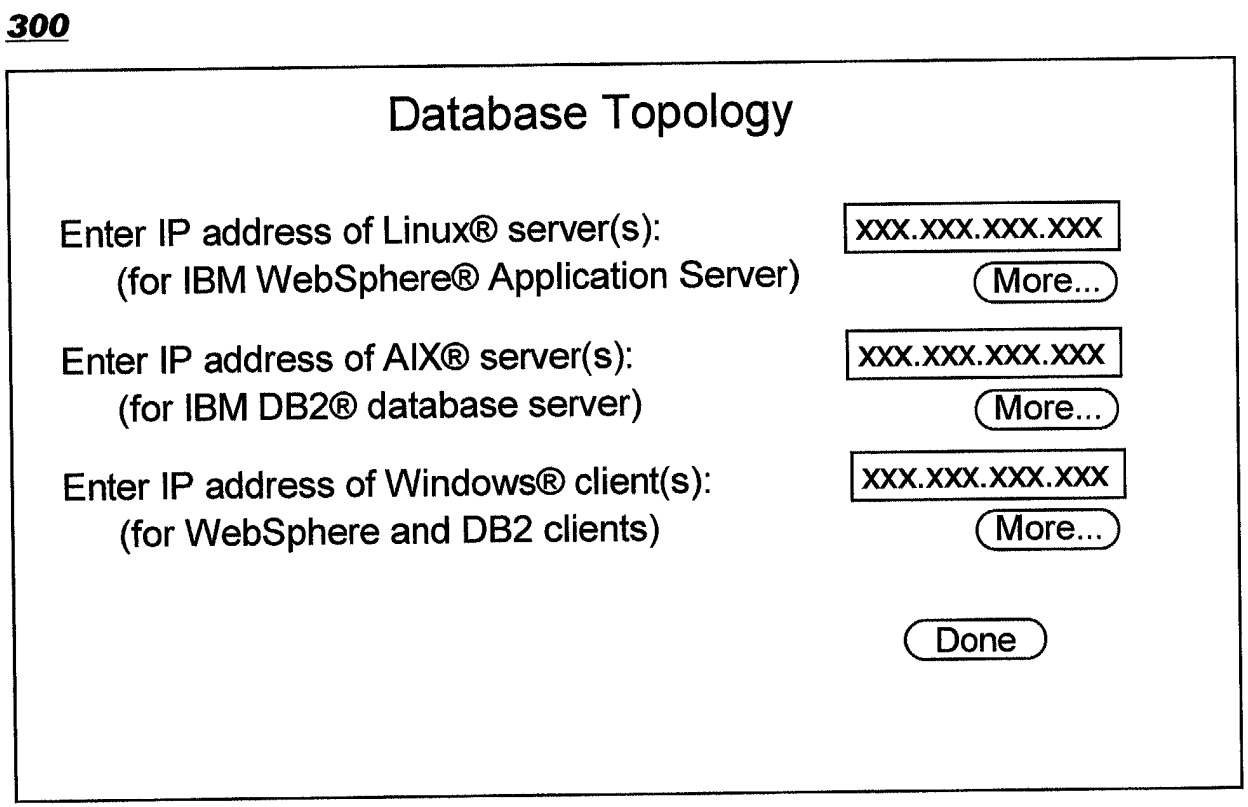
Patent Application

FIG. 3



Patent Application

FIG. 4

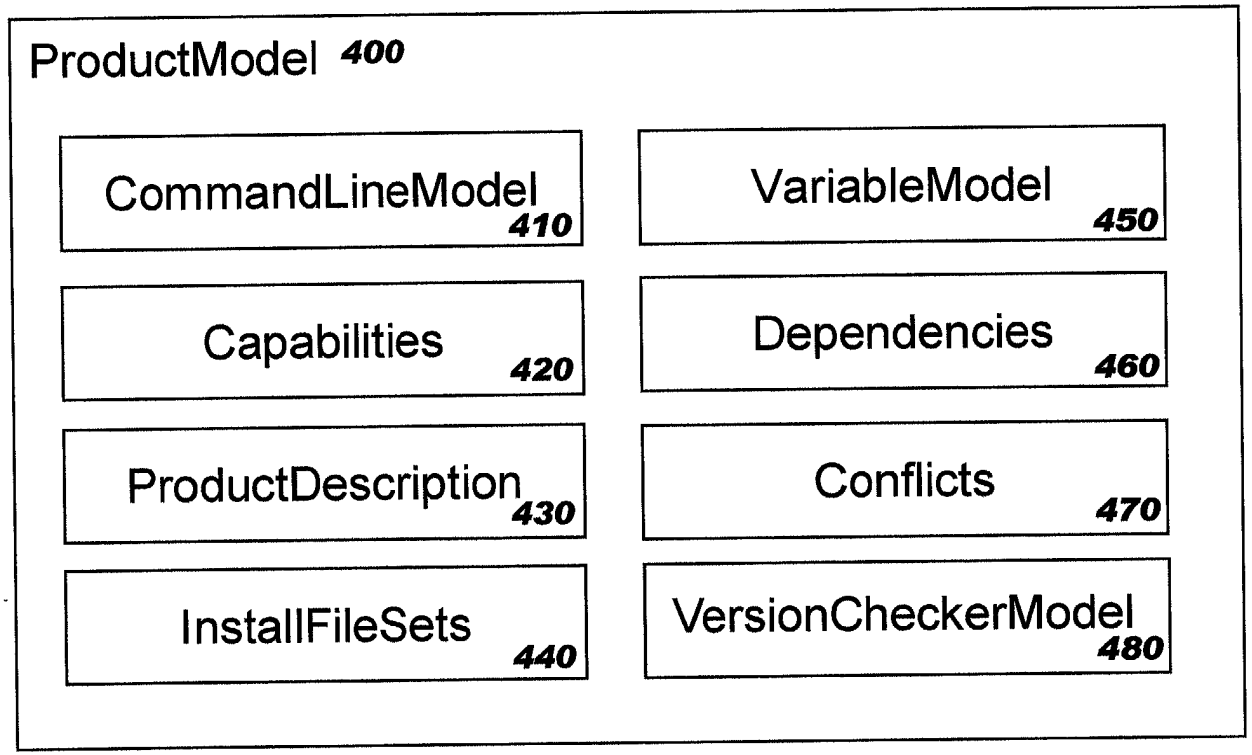


FIG. 5

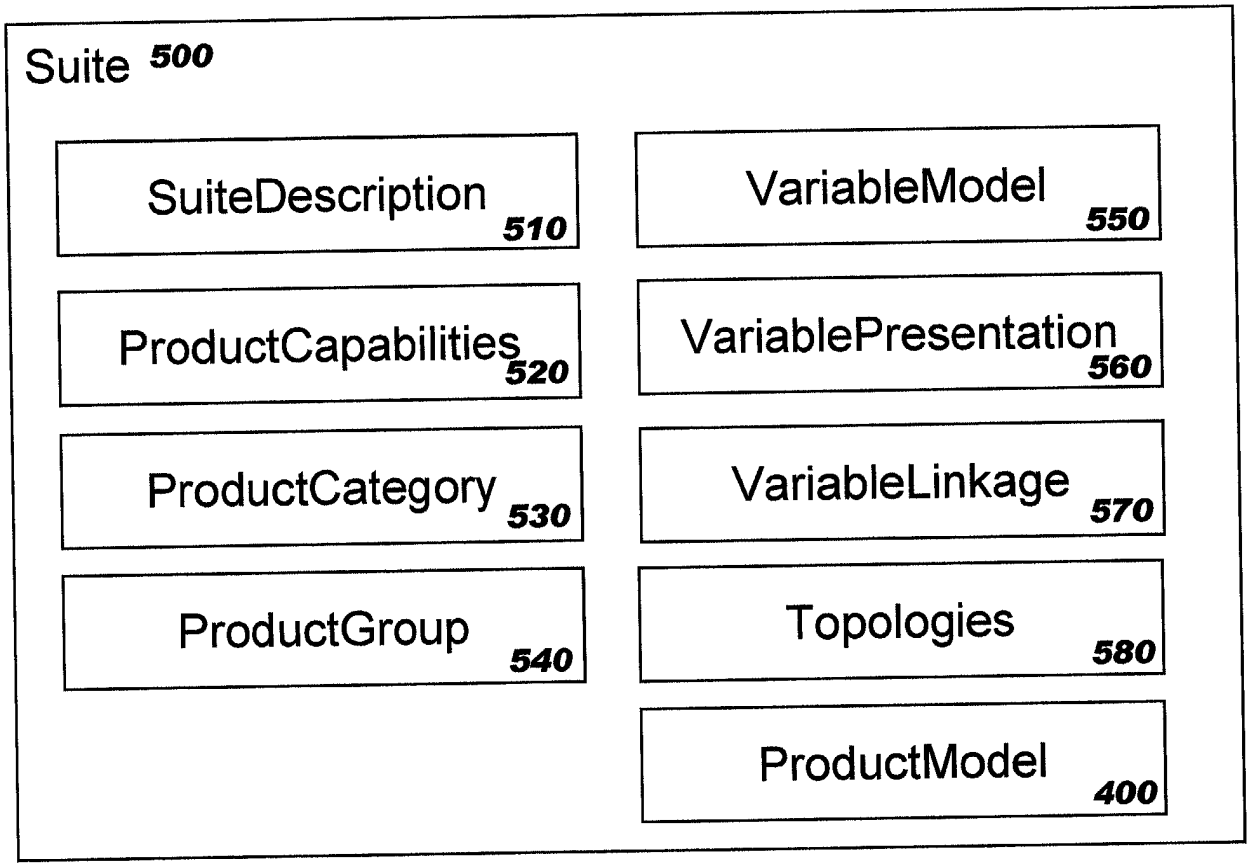

Suite 500
SuiteDescription 510
ProductCapabilities 520
ProductCategory 530
ProductGroup 540
VariableModel 550
VariablePresentation 560
VariableLinkage 570
Topologies 580
ProductModel 400

FIG. 6

```
{"product_vendor", "IBM"},
{"product_name", "DB2 Universal Database Run-Time Client"},
{"product_description", "<html>Provide the following information and click
<b>Finish</b> to proceed.<br>Click a  field name for additional information about the
 field.</html>"},
{"product_icon", "com/ibm/cbf/icons/db2.gif"},
{"files_DB2RTClient71Win_prompt_string", "Specify the location of the install image for this product
 (for example, the CD-ROM drive or mount point)"},
{"jar_name", "CBN_db2rtclientwin"},
```

FIG. 7

```
{"value_DB2_Runtime_Client_prod_path_keyword", "FILE"},
{"value_DB2_Runtime_Client_prod_path_section", " "},
{"var_DB2_Runtime_Client_prod_path_minimum_length", "3"},
{"var_DB2_Runtime_Client_prod_path_mnemonic", "D"},
{"var_DB2_Runtime_Client_prod_path_help_text", "The directory where you want to install
  the application files."},
{"var_DB2_Runtime_Client_prod_path_label_text", "Destination Directory"},
{"value_DB2_Runtime_Client_prod_path", "C:\\SQLLIB"},
```

FIG. 8

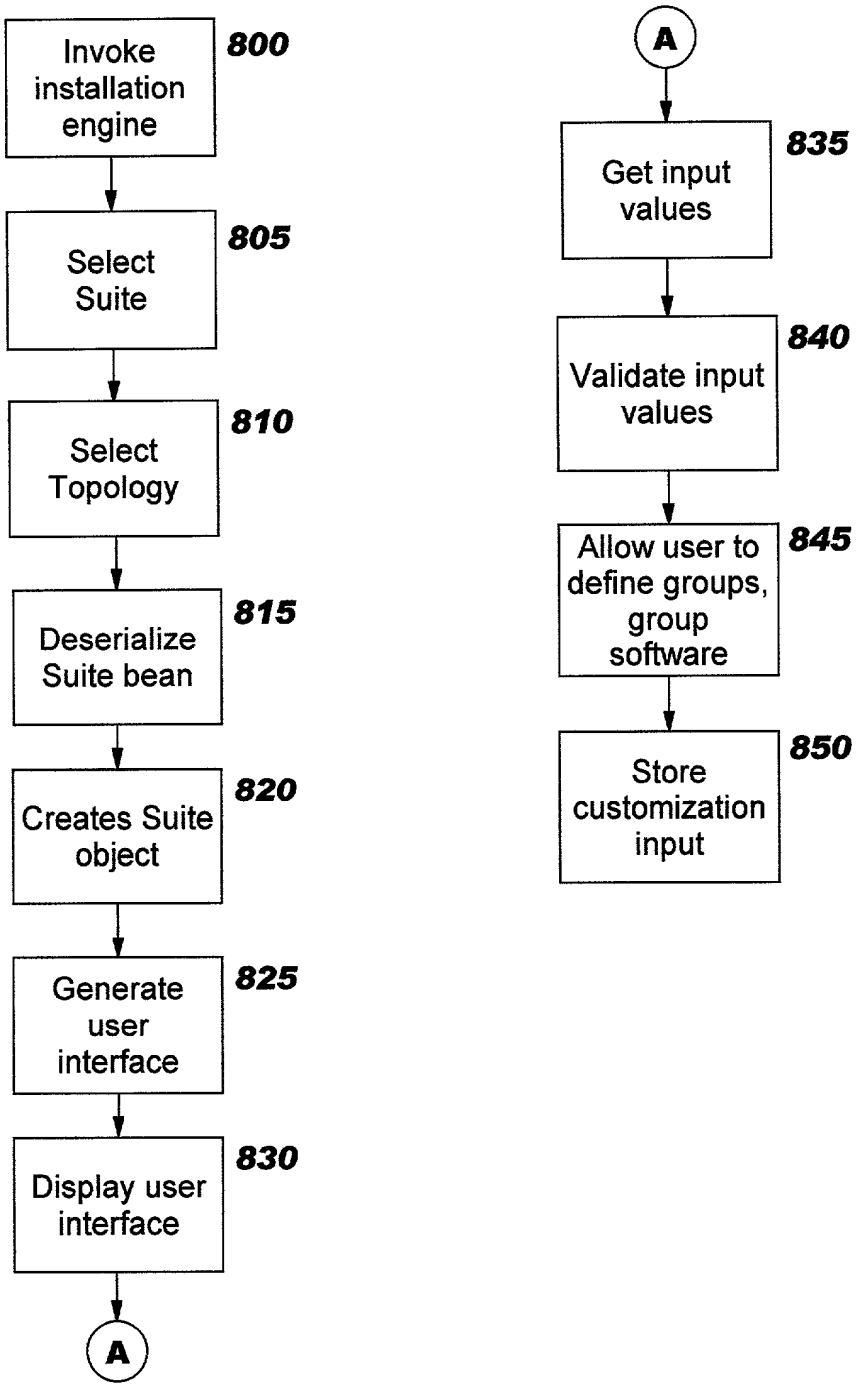

Invoke installation engine
800
Select Suite
805
Select Topology
810
Deserialize Suite bean
815
Creates Suite object
820
Generate user interface
825
Display user interface
830
A
A
Get input values
835
Validate input values
840
Allow user to define groups, group software
845
Store customization input
850

FIG. 9

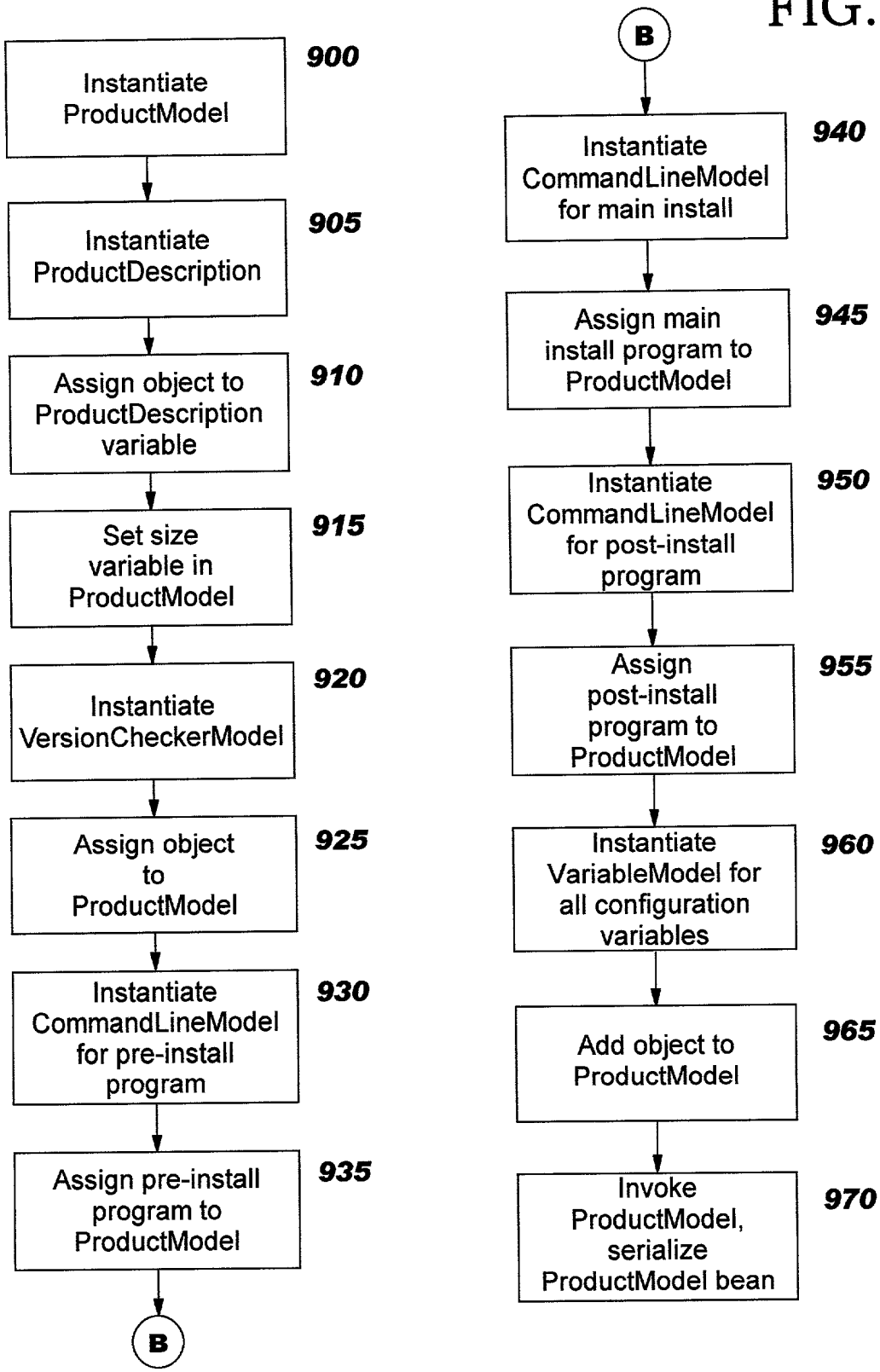

Instantiate ProductModel
900
Instantiate ProductDescription
905
Assign object to ProductDescription variable
910
Set size variable in ProductModel
915
Instantiate VersionCheckerModel
920
Assign object to ProductModel
925
Instantiate CommandLineModel for pre-install program
930
Assign pre-install program to ProductModel
935
B
B
Instantiate CommandLineModel for main install
940
Assign main install program to ProductModel
945
Instantiate CommandLineModel for post-install program
950
Assign post-install program to ProductModel
955
Instantiate VariableModel for all configuration variables
960
Add object to ProductModel
965
Invoke ProductModel, serialize ProductModel bean
970

FIG. 10

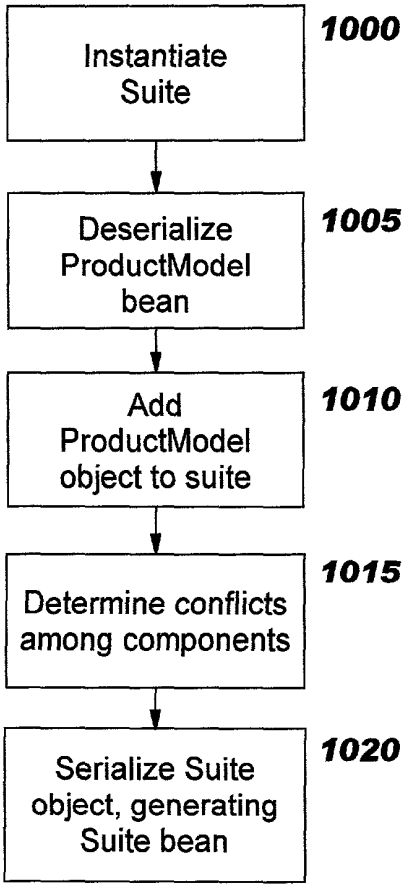

Instantiate Suite
1000
Deserialize ProductModel bean
1005
Add ProductModel object to suite
1010
Determine conflicts among components
1015
Serialize Suite object, generating Suite bean
1020

FIG. 11A

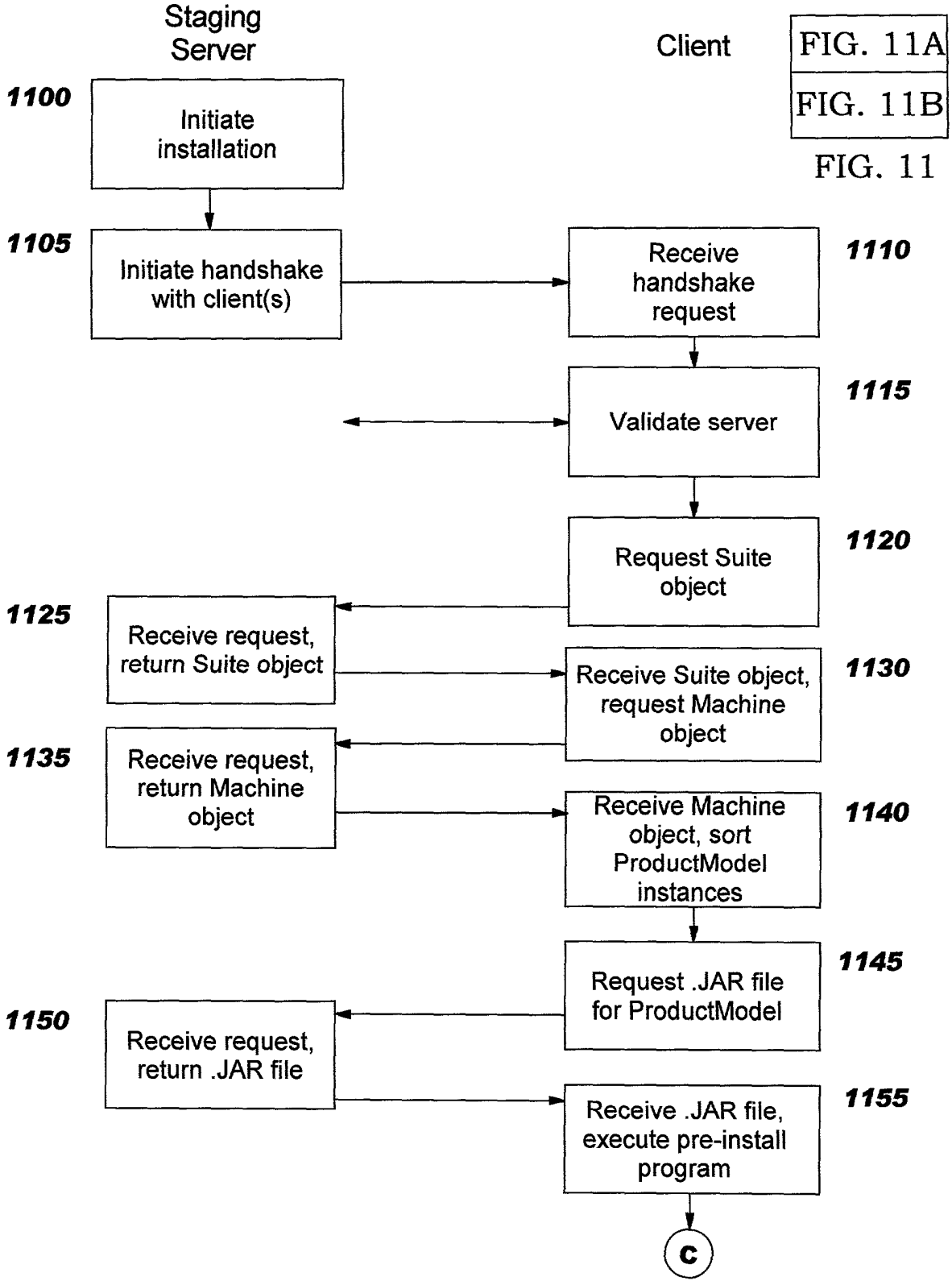
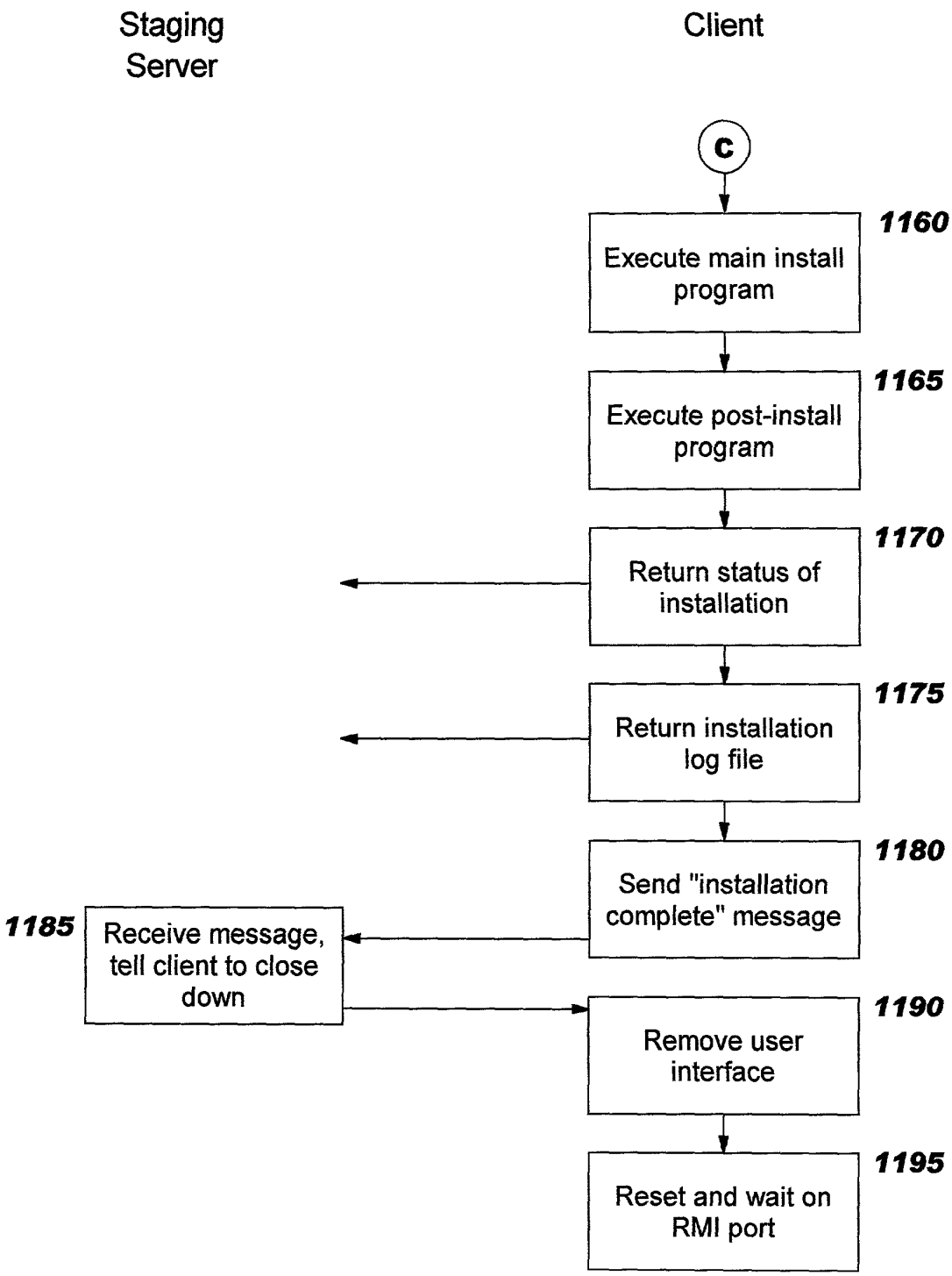


FIG. 11A
FIG. 11B
FIG. 11

FIG. 11B


Staging Server
Client
C
Execute main install program
1160
Execute post-install program
1165
Return status of installation
1170
Return installation log file
1175
Send "installation complete" message
1180
1185
Receive message, tell client to close down
Remove user interface
1190
Reset and wait on RMI port
1195